

FIG. 2



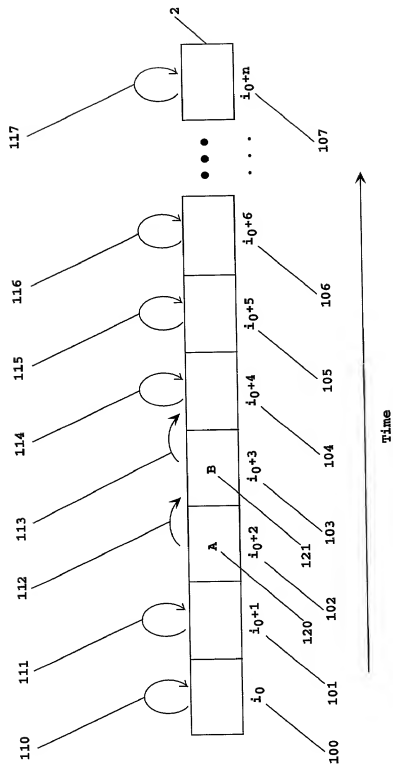


FIG. 4

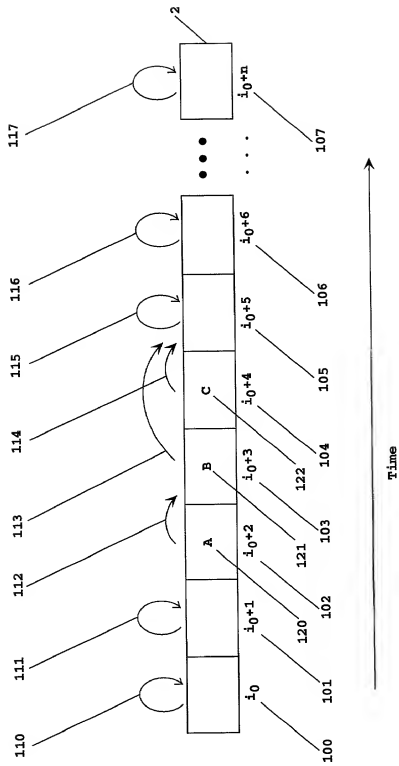


FIG. 5





```

graph TD
    Start([Start 200]) --> Init[Initialize First Output Queue Section 211]
    Init --> InitNext[Initialize Next Output Queue Section 201]
    InitNext --> Select[Select Next Input Queue 202]
    Select --> Read[Read Next Packet from Input Queue & Determine Preferred Location in Output Queue 203]
    Read --> IsOccupied{Is Location Occupied? 204}
    IsOccupied -- Yes --> Follow[Follow Address Pointer to Next Location 209]
    Follow --> IsOccupied
    IsOccupied -- No --> Store[Store Data Pointer in Location 205]
    Store --> Modify[Modify Affected Address Pointer(s) 206]
    Modify --> LastInput{Last Input Queue? 207}
    LastInput -- No --> Init
    LastInput -- Yes --> Send[Send Out Output Queue 208]

```

**FIG. 8**

**FIG. 8**